

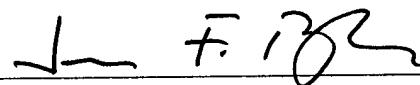
patent application serial no. **09 / 720953**

*Department of Commerce
Patent and Trademark Office
fee record*

01/05/2001 SMAJARRO 00000035 09720953

01 FC:970 860.00 OP

FORM PTO-1390 (REV 11-98)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY DOCKET NUMBER 21-0001	
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371				U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 09/720953	
INTERNATIONAL APPLICATION NO. PCT/JP99/03664		INTERNATIONAL FILING DATE 07 July 1999		PRIORITY DATE CLAIMED 08 July 1998	
TITLE OF INVENTION <i>Printed Circuit Board and Method of Manufacturing Same</i>					
APPLICANT(S) FOR DO/EO/US Kiyotaka TSUKADA, Masaru TAKADA, and Kenji CHIHARA					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:					
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371 (f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371 (b) and PCT Articles 22 and 39(1).</p> <p>4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) <ul style="list-style-type: none"> a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). </p> <p>6. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371 (c)(2)).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) <ul style="list-style-type: none"> a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> have been transmitted by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. </p> <p>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</p> <p>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</p>					
Items 11. To 16. below concern document(s) or information included:					
<p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. (and references)</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A FIRST preliminary amendment including a <i>Request to Approve Drawing Change</i>. <ul style="list-style-type: none"> <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. </p> <p>14. <input type="checkbox"/> A substitute specification.</p> <p>15. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>16. <input checked="" type="checkbox"/> Other items or information: A copy of the WIPO Publication (WO 00/03572) and International Search Report; Form PCT/IB/304; Form PCT/IB/308; and Form PCT/IB/332, are also enclosed.</p>					

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 09/720953	INTERNATIONAL APPLICATION NO. PCT/JP99/03664	ATTORNEY DOCKET NUMBER 232.001
<p>17. <input checked="" type="checkbox"/> The following fees are submitted:</p> <p>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :</p> <p>Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1000.00</p> <p>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO..... \$860.00</p> <p>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445 (a)(2)) paid to USPTO \$710.00</p> <p>International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$690.00</p> <p>International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33 (1)-(4). \$100.00</p>		CALCULATIONS PTO USE ONLY
ENTER APPROPRIATE BASIC FEE AMOUNT =		\$ 860.00
<p>Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).</p>		\$ 0.00
Total claims	13 - 20 =	0 X \$18.00 \$ 0.00
Independent claims	3- 3 =	0 X \$80.00 \$ 0.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+ \$270.00 \$ 0.00
TOTAL OF ABOVE CALCULATIONS =		\$ 860.00
<p>Reduction of $\frac{1}{2}$ for filing by small entity, if applicable. A Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28).</p>		\$ 0.00
SUBTOTAL =		\$ 860.00
<p>Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).</p>		+ \$ 0.00
TOTAL NATIONAL FEE =		\$ 860.00
<p>Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property</p>		+ \$ 40.00
TOTAL FEES ENCLOSED =		\$ 900.00
		<input type="checkbox"/> Amount to be: Refunded <input type="checkbox"/> <input type="checkbox"/> Charged
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$ 900.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. <u>50-1170</u> in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>50-1170</u>. A duplicate copy of this sheet is enclosed.</p>		
<p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p>		
<p>SEND ALL CORRESPONDENCE TO BOYLE FREDRICKSON NEWHOLM STEIN & GRATZ S.C. 250 East Wisconsin Avenue, Suite 1030 Milwaukee, WI 53202-4232 Telephone (414) 225-9755 Facsimile (414) 225-9753</p>		
<p> SIGNATURE: <u>James F. Boyle</u> NAME <u>33.653</u> <u>January 3, 2001</u> REGISTRATION NUMBER DATE </p>		

09/720953

JC03 Rec'd PCT/PTO 03 JAN 2001
SUITE 1030

BOYLE
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INTELLECTUAL PROPERTY LAW

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January 3, 2001

Director of the U.S. of Patent
and Trademark Office
Box PCT
Washington, D.C. 20231

Re: Utility Patent Application Transmittal
National Phase of PCT/JP99/03664
International Filing Date: 07 July 1999
Inventors: Kiyotaka TSUKADA, Masaru TAKADA, and Kenji CHIHARA
Title: *Printed Circuit Board and Method of Manufacturing Same*
Priority: Japanese Appl. No. 10-192992; Filed 08 July 1998
Assignee: Ibiden Co., Ltd.
Customer Account No.: 23598
Attorney Docket No.: 232.001

Dear Sir:

This application is being filed under **35 U.S.C. § 371** as the national phase of PCT application serial no. PCT/JP99/03664 that has an international filing date of July 7, 1999. Enclosed is our check in the amount of \$900.00 in payment of the government filing fee for the enclosed United States patent application, which application includes 11 pages of specification, 8 claims on 3 sheets, 14 drawings on 5 sheets, an Abstract of the Disclosure, an executed Declaration, a 6 page Preliminary Amendment that adds 5 claims, a Request to Approve Drawing Change, and a Transmittal Letter to the U.S. Designated/Elected Office.

An Information Disclosure Statement (IDS), Form PTO-1449, and copies of the documents are enclosed.

Also enclosed is an Assignment, which was executed concurrently with the Declaration and which is being filed concurrently with the application, a recordation cover sheet, and our \$40.00 check in payment of the recording fee.

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528 Rec'd PCT/PTO 03 JAN 2001

Director of the U.S. Patent

and Trademark Office

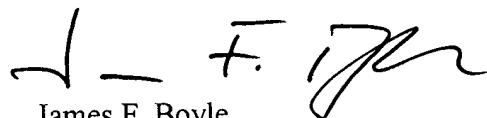
January 3, 2001

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In addition, a copy of form PCT/IB/304 indicating that the Japanese application upon which priority is claimed was transmitted to the International Bureau, form PCT/IB/308 indicating that a copy of the international application has been communicated to the United States Patent Office, and a copy of the International Search Report are also enclosed. A translation of the International Preliminary Examination Report for the above-identified PCT patent application will also be forthcoming.

The Director is hereby authorized to charge payment of any additional fees associated with this communication or credit any overpayment to Deposit Account No. 50-1170.

Respectfully submitted,



James F. Boyle
Registration No. 33,653

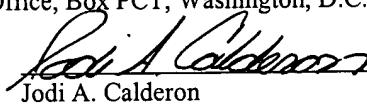
Enclosures

Certification Under 37 CFR 1.10

Express Mail Label No: **EL647007246US**

Date of Deposit: **January 3, 2001**

I hereby certify that this paper or fee is being deposited with the United States Postal Service in "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the DO/EO/US Director of the U.S. Patent and Trademark Office, Box PCT, Washington, D.C. 20231.



Jodi A. Calderon